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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,692	12/16/2003	Tetsushi Kawamura	246598US3	3554
22850	7590	10/05/2005	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			ELLINGTON, ALANDRA	
			ART UNIT	PAPER NUMBER
			2855	

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/735,692

Applicant(s)

KAWAMURA ET AL

Examiner

Alandra Ellington

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on amendment filed on 7/22/05.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Non-Final Rejection

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 2 and 5-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Baba et al (6,085,598) (hereinafter Baba).

a. With respect to claim 1, Baba discloses a pressure sensor including a semiconductor device 15 capable of detecting pressure; a bonding wire 17; a terminal 10 that is connected to the semiconductor device 15 by the bonding wire 17; a housing 6 having an accommodation space accommodating the semiconductor device 15, the bonding wire 17 and the terminal 10; a diaphragm 12 sealing the accommodation space; and a working fluid 18 that is sealed in the accommodation space and transmits pressure applied to the diaphragm 12 to the semiconductor device 15, wherein the working fluid 18 is a silicone-based oil; and the terminal 10 and the housing 6 are sealed by a fluorine-based adhesive 16 (col. 4 lines 28-48 {Figs. 2 and 3B}).

b. With respect to claim 2, Baba discloses a pressure sensor including a semiconductor device 15 capable of detecting pressure; a bonding wire 17; a terminal 10 that is connected to the semiconductor device 15 by the bonding wire 17; and a housing 6 having an accommodation space accommodating the

semiconductor device 15, the bonding wire 17 and the terminal 10, wherein the terminal 10 and the housing 6 are sealed by a fluorine-based adhesive 16 (col. 4 lines 28-48 {Figs. 2 and 3B}).

c. With respect to claim 5, Baba discloses the pressure sensor according to claim 2, wherein the pressure sensor does not include a working fluid ({Fig. 16}).

d. With respect to claim 6, Baba discloses a method of making a pressure sensor including a semiconductor capable of detecting pressure; a bonding wire; a terminal that is connected to the semiconductor device by the bonding wire; a housing having an accommodation space accommodating the semiconductor device, the bonding wire and the terminal; a diaphragm sealing the accommodation space; and a working fluid that is sealed in the accommodation space and transmits pressure applied to the diaphragm to the semiconductor device, where the working fluid is a silicone-based oil; and the terminal and the housing are sealed by a fluorine-based adhesive, the method comprising sealing the terminal 10 and the housing 6 with the fluorine-base adhesive 16; and producing the pressure sensor of claim 1 (col. 4 lines 28-48 {Figs. 2 and 3B}).

e. With respect to claim 7, Baba discloses a method of making a pressure sensor including a semiconductor device capable of detecting pressure; a bonding wire; a terminal that is connected to the semiconductor device by the bonding wire; and a housing having an accommodation space accommodating the semiconductor device, the bonding wire and the terminal, where the terminal and the housing are sealed by a fluorine-based adhesive, the method comprising

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sealing the terminal 10 and the housing 6 with the fluorine-based adhesive 16;
and producing the pressure sensor of claim 2 (col. 4 lines 28-48 {Figs. 2 and 3B}).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baba.

a. With respect to claims 3 and 4, Baba discloses the claimed invention except for specifically teaching a perfluoro polyether resin composition. However, Baba teaches a fluorine-based adhesive¹⁶ surrounding the semiconductor device 15 and terminal 10 (col. 4 lines 34-44 {Fig. 3B}). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Baba to include a specific type of fluorine based adhesive for the purpose of protecting the electronic devices during operation.

Response to Arguments


5. Applicant's arguments with respect to claims 1-7 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alandra Ellington whose telephone number is (571) 272-2178. The examiner can normally be reached on Monday - Friday, 8:30am - 5:00pm.

7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on (571) 272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alandra Ellington  10/2/05
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**MAX NOORI
PRIMARY EXAMINER**